

ABSTRACT OF THE DISCLOSURE

A data recording apparatus according to one aspect of this invention comprises a recording/erase unit configured to record or erase target data by  
5 irradiating a DVD-RW medium with light beams with different intensities to change a phase change recording layer of the medium to a first data recorded state, second data recorded state, and data non-recorded state, and an additional recording control  
10 unit configured to control additional recording of target data in response to an additional recording instruction by recording the target data by changing the phase change recording layer to the first and second data recorded states and by changing the phase  
15 change recording layer to the data non-recorded state from the recording terminal end of the target data over a predetermined length using the light beams with different intensities emitted by the recording/erase unit.